

Abstract

An endovascular graft for bridging a defect in a main vessel near one or more branch vessels is provided. A graft, consistent with one embodiment of the invention, includes a tubular member which defines one or more apertures and is adapted for expansion against inner wall of a main vessel above one or more branch vessels. Each aperture defined by the tubular member is alignable with at least one of the one or more branch vessels and may have an area which is as large as or larger than the opening of the respective branch vessel(s) when the tubular member is expanded against the inner wall of the main vessel. Embodiments of the invention are particularly suited for bridging abdominal aortic aneurysms having short or no proximal necks, a significant factor limiting the use of conventional grafts for bridging abdominal aortic aneurysms.

CERTIFICATE UNDER 37 CFR 1.10:

"Express Mail" mailing label number: EE034261739US

Date of Deposit: February 9, 1998

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